Attachment 3
Exhibit Log

Exhibit 1
Henrico County Environmental Ordinance, Article VII, *Stormwater Management*

ARTICLE VII. STORMWATER MANAGEMENT*

_____

***State law references:** Locality may adopt stormwater control ordinance consistent with state law, Code of Virginia, § 15.2-2114.

_____

Sec. 10-215. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Director means the director of public works or his designee.

Discharge means to dispose, deposit, spill, pour, inject, dump, leak or place by any means, or that which is disposed, deposited, spilled, poured, injected, dumped, leaked or placed by any means.

Illicit discharge means any discharge to a storm sewer that is not composed entirely of stormwater, except discharges pursuant to a VPDES permit or discharges resulting from firefighting activities. This definition shall not include the discharges listed in section 10-218(b) unless such discharges are identified by the county as sources of pollutants to waters of the United States.

Industrial discharge means discharges from any conveyance which are used for collecting and conveying stormwater and which are directly related to manufacturing, processing or raw materials storage areas at an industrial plant, as defined by federal stormwater management regulations.

Person means any individual, firm, corporation, partnership, association, organization or other entity, including governmental entities, or any combination thereof.

Storm sewer system means the system of roads, streets, catchbasins, curbs, gutters, ditches, pipes, lakes, ponds, channels, storm drains and other facilities located within the county which are designed or used for collecting, storing or conveying stormwater or through which stormwater is collected, stored or being conveyed.

Stormwater means runoff from rain, snow or other forms of precipitation and surface runoff and drainage.

(Code 1980, § 21.1-1)

Cross references: Definitions generally, § 1-2.

Sec. 10-216. Enforcement of article; penalty.

(a) *Violations deemed misdemeanor; continuing violations; fine.* Violation of the provisions of this article shall constitute a misdemeanor. Each day that a continuing violation of this article is maintained or permitted to remain shall constitute a separate offense. Violators shall be subject to a fine not exceeding $1,000.00 or up to 30 days' imprisonment for each violation, or both.

(b) *Liability for costs for testing, containment, etc.* Any person who, intentionally or otherwise, commits any of the acts prohibited by section 10-218 shall be liable to the county for all costs of testing, containment, cleanup, abatement, removal and disposal of any substance unlawfully discharged into the storm sewer system.

(c) *Civil penalty.* Any person who commits any act prohibited by section 10-218 shall be subject to a civil penalty not to exceed $1,000.00 for each day that a violation of this article continues. The court assessing such penalties may at its discretion order such penalties to be paid into the treasury of the county for the purpose of abating, preventing or mitigating environmental pollution.

(d) *Enjoinment.* The director may bring legal action to enjoin the continuing violation of this article and the existence of any other remedy shall be no defense to any such action.

(e) *Remedies cumulative.* The remedies set forth in this section shall be cumulative, not exclusive, and it shall not be a defense to any action that one or more of the remedies set forth in this section has been sought or granted.

(Code 1980, § 21.1-4)

Sec. 10-217. Inspections and monitoring.

(a) The director shall have authority to carry out all inspection, surveillance and monitoring procedures necessary to determine compliance and noncompliance with the conditions of the county's VPDES permit, including the prohibition of illicit discharges to the storm sewer system. The director may monitor stormwater outfalls or other components of the storm sewer system as may be appropriate in the administration and enforcement of this article.

(b) The director shall have the authority to require pollution prevention plans from any person whose discharges cause or may cause a violation of the county's VPEDS permit.

(Code 1980, § 21.1-3)

Sec. 10-218. Discharges to storm sewer system.

(a) It shall be unlawful to:

(1) Cause or allow illicit discharges to the county's storm sewer system;

(2) Discharge materials other than stormwater to the storm sewer system by spills, dumping or disposal without a VPDES permit;

(3) Cause or allow industrial discharges into the storm sewer system without a VPDES permit; or

(4) Violate any condition or provision of this article or any permit granted for stormwater discharges.

(b) Subject to the provisions of subsection (c) of this section, the following activities shall not be unlawful as illicit discharges under this article:

(1) Water line flushing;

(2) Landscape irrigation;

(3) Diverting stream flows or raising groundwater;

(4) Infiltration of uncontaminated groundwater;

(5) Pumping of uncontaminated groundwater from potable water sources, foundation drains, irrigation waters, springs or water from crawl spaces or footing drains;

(6) Lawn watering;

(7) Individual car washing on residential properties;

(8) Dechlorinated swimming pool discharges; and

(9) Street washing.

(c) If any of the activities listed in subsection (b) of this section are found to be sources of pollutants to waters of the United States, the director shall so notify the person performing such activities and shall order that such activities be stopped or conducted in such manner as to avoid the discharge of pollutants into such waters. The failure to comply with any such order shall constitute a violation of the provisions of this article.

(Code 1980, § 21.1-2)

Sec. 10-219. Compliance with county design standards.

All stormwater management facilities, including Best Management Practices (BMPs) for water quality and quantity management, shall comply with the current edition of the Stormwater Guidelines Manual maintained by the county engineer.

(Ord. No. 972, § 1, 3-24-98)

Exhibit 2
Field Screening Standard Operating Procedure

County of Henrico
NPDES Stormwater Program

Standard Operating Procedure
Illicit Discharge Detection & Elimination (IDDE)
Field Screening

Scope:

1. NPDES Manager
2. NPDES Engineers
3. Environmental Inspectors
4. County employees filling in for any of the above

Materials:

1. Arc/GIS access
2. NPDES database access
3. SOPs for Illegal Discharge, Spill Response & Dry Weather Testing
4. Report generated from Arc/GIS
5. Materials required for procedures in 3 needed for field personnel

Procedure:

1. Access the Arc/GIS map titled “NPDES2”

2. Turn on the following Layers:

    a. County Boundary
    b. Watersheds
    c. Inspection Sites
    d. Roads & Intersections
    e. Streams 2003
    f. Streams > 100 ac drainage
    g. Storm Water Pipes
    h. Storm Water Structures
    i. Waterbodies 2003
    j. (Topography when needed)

3. Referring to both Arc/GIS and the Access database, note which areas have been screened already this Permit Cycle. Choose the area to be screened by using the industrial inspection lists in conjunction with the GIS map to choose a new site for investigation. Choose areas with multiple spill/dumping icons and industrial sites (building icons) for priority. Choosing an area that had significant cleanup required the previous year

is also a top priority. Continued investigation of these trouble areas is needed until cleanups decrease.

4. Note all pertinent information about the site:

    a. Storm sewer inlets
    b. Streams in relation to drain sites
    c. Topography
    d. Drainage outfalls
    e. Industrial areas
    f. Previous spills/overflows

5. Assign Inspection Site ID#s to the areas to be investigated to previously unassigned areas and add to database.

6. Print out a map of the area to be screened (see attached map for example) and denote inspection areas.

7. Field personnel - follow procedure for MS4 Dry Weather Testing.

Exhibit 3
Blank Outfall Inspection Report

Stormwater Outfall Inspection Report

Inspection Site ID #	**Inspection Date**	**Inspector**	**Pictures (y/n)**

Outfall Description	**End of Pipe Diameter _____** **Open Channel? Yes No** ❑ **Circular** ❑ **Elliptical** ❑ **Box** ❑ **Other _____**						**Pipe Material** ❑ **Concrete** ❑ **PVC** ❑ **Steel** ❑ **Other _____**			
Last Significant Rainfall			**Seasonal Climatic Conditions**			**Standing Water Present?**		**Mosquito Larvae Present?**		
< 2 days	> 2 days, < 5 days	> 5 days	dry	average	wet	yes	no	yes	no	n/a

Findings	Outfall Submerged? Yes No If yes, in: o Water o Fully o Partially o Sediment o Fully o Partially Debris Around Outfall o None o Sediment o Trash o Other_____ Debris in Pipe: o None o Sediment o Trash o Other_____	Flow present? Yes No Flow Volume: o Low o Moderate o Heavy o Intermittent Flow Color o Clear o Muddy o Milky/Cloudy o Sheen o Soapy Foam o Other _____ Flow Odor: o None o Petroleum o Sewage/rotten eggs o Other_____
Pipe Condition	o Good o Fair o Poor	
Describe:	_____ _____	
Receiving Stream		
Actions Taken		
Notes	_____ _____	

Exhibit 4
Selected Entries from the County's Outfall Inspection Database

Field Title	Entry Example 1	Entry Example 2	Entry Example 3	Entry Example 4	Entry Example 5
InspectionSiteID	SWO-0058	SWO-0101	SWO-0106	SWO-1454	SWO-1454
InspectionDate	1/4/2007	1/18/2007	1/18/2007	1/24/2008	5/21/2009
ActionIncidentType	Inspection	Inspection	Inspection	Inspection	Inspection
Permit Number					
Notes	Cannot reach to test, water clearly coming from National Starch in a constant flow during dry weather.	Water coming from West, slight odor and heat. Needs investigation.	Ditch runninng North/South of SWO-0101. Orange color is present, odor is bad.	Needs Cleaning, cannot see pipe due to dirt/debris	Could not find outfall, possibly buried
NeedsCleaning	FALSE	FALSE	FALSE	TRUE	FALSE
RainfallInLast24Hours					
Inspector	John Fowler	John Mulligan	John Fowler	Fowler	Fowler
SSFlowPresent					
SSDescriptionOfFlow					
SSApproxPipeSize					
SSFindings					
FPPumpSchedule					
FPHaulFrequency					
FPGreaseHauler					
FPGreaseInterceptor					
FPGreaseTrap					
FPGreaseBinBarrel					
FPFindings					
ISTypeofBusiness					
ISVehicleWash					
ISVehicleWashDischarge					
ISSpillDangerRating					
ISFlowChlorineTest					
ISPastSpills					
ISEducation					
ISFindings					
ISBulkChemicalStorage					
ISSICCode					
Recommendations					
SpillOverflowDumpingComplaintFindings					
SanitaryFindings					
Closed					
ISSourceofSpills					
ISTypeofSpills					
ISProcesses					
ISPretreatment					
ISVehicleMaintOnSite					
ISFluidDisposal					
ISMS4Site					
ISBermedChemStorage					
ISBermPrecaution					
ISChemNearStorage					
ISSWPPPIDUptodate					
ISDrainageMap					
ISMaterialInventory					
ISChemical					
ISChemLocation					
ISSARAInfo					
ISBMP					
ISGoodHousekeeping					
ISERS					
ISTraining					
ISCertification					
ISFlowPresent					
ISOutfalls					
ISStreamCondition					
ISEffluentCondition					
ISRecordKeeping					
InspectionType					
Pictures	FALSE	FALSE	FALSE	TRUE	FALSE
LastSigRainfall	> 2 days, < 5 days	> 5 days	> 5 days	> 2 days, < 5 days	> 2 days, < 5 days
SeasonalClimateCond	Wet	Normal	Normal	Wet	Normal
StandingWaterPresent	FALSE	TRUE	TRUE	FALSE	FALSE
LarvaePresent	FALSE	FALSE	FALSE	FALSE	FALSE
OutfallDebris	FALSE	FALSE	FALSE	TRUE	FALSE
PipeCrack	FALSE	FALSE	FALSE	FALSE	FALSE
PipeCavedIn	FALSE	FALSE	FALSE	TRUE	FALSE
OutfallErosion	FALSE	FALSE	FALSE	FALSE	FALSE
PipeClogged	FALSE	FALSE	FALSE	FALSE	FALSE
OutfallDryFlow	FALSE	FALSE	FALSE	FALSE	FALSE
ManholeCover	FALSE	FALSE	FALSE	FALSE	FALSE

Field Title	Entry Example 1	Entry Example 2	Entry Example 3	Entry Example 4	Entry Example 5
ManholeDryFlow	TRUE	FALSE	FALSE	FALSE	FALSE
ManholeDebris	TRUE	FALSE	FALSE	FALSE	FALSE
ManholeClogged	FALSE	FALSE	FALSE	FALSE	FALSE
Manhole #					
DitchDebris	FALSE	TRUE	FALSE	FALSE	FALSE
DitchDepth	FALSE	FALSE	FALSE	FALSE	FALSE
DitcChanneling	FALSE	FALSE	FALSE	FALSE	FALSE
DitchDryFlow	FALSE	TRUE	FALSE	FALSE	FALSE
InletDebris	FALSE	FALSE	FALSE	FALSE	FALSE
InletBlocked	TRUE	FALSE	FALSE	FALSE	FALSE
InletTrashScreen	FALSE	FALSE	FALSE	FALSE	FALSE
InletLeaking	FALSE	FALSE	FALSE	FALSE	FALSE
InletEroding	FALSE	FALSE	FALSE	FALSE	FALSE
InletDryFlow	FALSE	FALSE	FALSE	FALSE	FALSE
Fluoride Positive	FALSE	FALSE	FALSE	FALSE	FALSE
NoAccess	FALSE	FALSE	FALSE	FALSE	FALSE
Fenced	FALSE	FALSE	FALSE	FALSE	FALSE
Locked	FALSE	FALSE	FALSE	FALSE	FALSE
Other					
ResponsePhone					
ResponseEmail					
ResponseLetter					
ResondTo					
RespondDate					
Receiving Stream	Cornelius Creek				
IS#ofmanholes					
ISSWPPPUpdate					
ISStructuralControls					
ISOtherControls					
ISSpillPreventResponse					
ISWasteManagePractice					

Exhibit 5
Dry Weather Stormwater Inspection Report for SWO-0058, dated January 4, 2007

Dry Weather Stormwater Inspection Report

Inspection Site ID #	Inspection Date	Inspector	Pictures (y/n)
SWO-058	1/4/07		

Type of Inspection

- ☐ Outfall
- ☐ Manhole
- ☐ Ditch/Culvert
- ☐ Storm Water Pipe
- ☑ Inlet Structure
- ☐ Complaint (ie. Overflow, spill, etc)

Watershed # - 18 - Cornelius Creek Upper

Last Significant Rainfall			Seasonal Climatic Conditions			Standing Water Present ?		Larvae Present ?		
< 2 days	> 2 days, < 5 days	> 5 days	dry	average	wet ✓	yes	no	yes	no	n/a

Outfalls	○ Trash/sediment/lawn debris accumulation ○ Pipe cracked ○ Pipe caved in	○ Erosion/lack of outlet protection ○ Pipe clogged ○ Dry Weather Flow ○ Fluoride Positive
Manhole	○ Manhole cover missing ○ Dry Weather Flow ○ Fluoride Positive	○ Clogged line ○ Trash/sediment/lawn debris accumulation Manhole # _____
Ditch/Culvert	○ Debris/Trash accumulation ○ Depth of ditch < 1'	○ Channeling present ○ Dry Weather Flow
Inlet Structures	✓ Trash screen missing ○ Inlet blocked ✓ Debris accumulation	○ Standing water X DRY WEATHER FLOW ○ Leaking ○ Eroding/Lack of outlet protection
Access	○ no access as per plan ○ fenced ○ locked	
Other		
Receiving Stream	Cornelius Creek Upper - James River	
Notes		

Response				Response to	Response Date
phone	email	letter	not required at this time		

Exhibit 6
Dry Weather Stormwater Inspection Follow Up Documentation for SWO-0058, dated April 26, 2010

Dry Weather Stormwater Inspection Report

Inspection Site ID #	Inspection Date	Inspector	Pictures (y/n)
SWO-058	1/4/07		

Type of Inspection

- ☐ Outfall
- ☐ Manhole
- ☐ Ditch/Culvert
- ☐ Storm Water Pipe
- ☑ Inlet Structure
- ☐ Complaint (ie. Overflow, spill, etc)

Watershed # - 18 - Cornelius Creek Upper

Last Significant Rainfall			Seasonal Climatic Conditions			Standing Water Present ?		Larvae Present ?		
< 2 days	> 2 days, < 5 days	> 5 days	dry	average	wet ✓	yes	no	yes	no	n/a

Outfalls	○ Trash/sediment/lawn debris accumulation ○ Pipe cracked ○ Pipe caved in	○ Erosion/lack of outlet protection ○ Pipe clogged ○ Dry Weather Flow ○ Fluoride Positive
Manhole	○ Manhole cover missing ○ Dry Weather Flow ○ Fluoride Positive	○ Clogged line ○ Trash/sediment/lawn debris accumulation Manhole # _____
Ditch/Culvert	○ Debris/Trash accumulation ○ Depth of ditch < 1'	○ Channeling present ○ Dry Weather Flow
Inlet Structures	✓ Trash screen missing ○ Inlet blocked ✓ Debris accumulation	○ Standing water X DRY WEATHER FLOW ○ Leaking ○ Eroding/Lack of outlet protection
Access	○ no access as per plan ○ fenced ○ locked	
Other		
Receiving Stream	Cornelius Creek Upper - James River	
N		

	Response to	Response Date
phone		

Follow-up done on-site. Flow tested positive for chlorine. A hose had been left on near a drain in the back of property. 4/26/10 jrf

J

Exhibit 7
Dry Weather Stormwater Inspection Report for SWO-0101

Dry Weather Stormwater Inspection Report

Relocate to Woods

Inspection Site ID #	Inspection Date	Inspector	Pictures (y/n)
101 -			

Type of Inspection		
	☐ Outfall	☐ Inlet Structure
	☐ Manhole	☐ Complaint (ie. Overflow, spill, etc) ✓
	☐ Ditch/Culvert	Watershed # -
	☒ Storm Water Pipe	

Last Significant Rainfall			Seasonal Climatic Conditions			Standing Water Present ?		Larvae Present ?		
< 2 days	> 2 days, < 5 days	> 5 days	dry	average	wet	yes	no	yes	no	n/a

Outfalls	○ Trash/sediment/lawn debris accumulation ○ Pipe cracked ○ Pipe caved in	○ Erosion/lack of outlet protection ○ Pipe clogged ○ Dry Weather Flow ○ Fluoride Positive
Manhole	○ Manhole cover missing ○ Dry Weather Flow ○ Fluoride Positive	○ Clogged line ○ Trash/sediment/lawn debris accumulation
Ditch/Culvert	☒ Debris/Trash accumulation ○ Depth of ditch < 1'	○ Channeling present ☒ Dry Weather Flow
Inlet Structures	○ Dry Weather Flow ○ Inlet blocked ○ Debris accumulation	○ Standing water ○ Leaking ○ Eroding/Lack of outlet protection
Access	○ no access as per plan ○ fenced ○ locked	
Other		
Receiving Stream		
Notes	START to Dark	

Response				Response to	Response Date
phone	email	letter	not required at this time		

106 - Ditch N/S of 101
- Standing Water
- color
- odor

Exhibit 8
List of Facilities Subject to Stormwater Inspections

Table 1.A.c - 1

Municipal Landfill Facilities*					
Facility	Location	Discharge to MS4?	Inspection Interval	Inspection Schedule	VPDES #
Springfield Road Landfill	10620 Ford's Country Lane	Yes	5 yrs	2012	VAR51025
East End Public Use Area	2075 Charles City Rd.	Yes	5 yrs	2012	No-Exposure Certification
* Inspections required in accordance with § A.1.c of Henrico County's VPDES Permit (Permit No. VA0088617)					

Table 1.A.c - 2

Hazardous Waste Treatment, Storage and Disposal Facilities*						
Facility	Location	Discharge to MS4?	Inspection Interval	Non-Exposure	Inspection Schedule	VPDES #
Smurfit Stone – North	5700 Lewis Road	Yes	Annual	-	Q3	VAR050565
Standex Engraving	5901 Lewis Road	Yes	Annual	-	Q1	VAR051142
Dean Foods	1595 Mary St.	Yes	Annual	-	Q4	VAR050595
CSX Railroads	1 CSX Road	No	5 yrs	-	2010	VAR 051056
Ready Mix Concrete	4607 Racrete Rd.	No	5 yrs	-	2010	VAG110201
East End Landfill	1790 Darbytown	No	5 yrs	-	2010	VAR050624
Coca Cola	500 Eastpark Court	No	5 yrs	-	2012	VAR050709
US Foodservice	363 Lerch Drive	No	5 yrs	-	2010	
Dominion Va. Power	2901 Charles City	No	5 yrs	-	2010	VA0086380
BFI Charles City	2001 Charles City	No	5 yrs	-	2012	VAR0091499
Cadmus Printing	2901 Byrdhill Rd	No	5 yrs	-	2015	VAR050694
IMTT	5500 Old Osbourne Tpk	No	5 yrs	-	2015	VAR0055409
[1]Duron Paints	6564 West Broad Street	Yes	3 yrs	Confirmed	2010	
[2]Richmond Cold Storage	5501 Corrugated Road	Yes	3 yrs	Confirmed	2010	
[3]The JM Fry Company, Inc	4329 Eubank Road	Yes	3 yrs	Confirmed	2010	
[2]Reddy Ice	5361 Lewis Rd	Yes	3 yrs	Confirmed	2010	
* Inspections required in accordance with § A.1.c of Henrico County's VPDES Permit (Permit No. VA0088617)						

1 Duron has a paint spray booth, but it is located indoors. No exposure at this facility.
2 Has Ammonia cooling systems
3 JM Fry Company has copolymer resin, all located indoors.

Table 1.A.c - 3

Industrial Facilities Subject to Section 313 of the Emergency Planning and Community Right to Know Act*					
Facility	Location	Discharge to MS4?	Inspection Interval	Inspection Schedule	VPDES #
Johns Manville	7400 Ranco Rd	Yes	Annual	Q3	VAR500206
World Color	7400 Impala Drive	Yes	Annual	Q3	VAR051889
Ennis Paint	4400 Vawter Ave	Yes	Annual	Q1	VAR051550
Smurfit Stone Container – South	2900 Sprouse Drive	Yes	Annual	Q4	VAR 050570
Kraft Food	6002 S Laburnum	No	5 yrs	2010	VAR051209
* Inspections required in accordance with § A.1.c of Henrico County's VPDES Permit (Permit No. VA0088617)					

Table 1.A.c - 4

Other Facilities Determined to be Contributing Substantial Pollutant Loadings*						
Facility	Location	Discharge to MS4?	Inspection Interval	Non-Exposure	Inspection Schedule	VPDES #
Alfa Laval	5400 Intl Trade Drive	Yes	Annual		Q1	VAR051131
San-J	2880 Sprouse Drive	Yes	Annual		Q4	VAR050623
Henrico County WWTP	9101 WRVA Rd	Yes	Annual		Q1	VAR051633
Hilex Plastics	2800 Sprouse Dr	Yes	Annual		Q4	VAR051636
Rolling Frito Lay	5500 Intl Trade Drive	Yes	3 yrs	Confirmed	2011	VAR051607
Henkel	4414 Sarellen Road	Yes	3 yrs	Confirmed	2011	VAR050574
Ifco Systems	3707 Nine Mile Road	No	3 yrs		2011	VAR140081
Richmond Intl. Airport	Williamsburg Rd	No	5 yrs		2010	VA0090301
Camp Holly Springs	4100 Diamond Springs Dr	No	5 yrs		2010	VA0091197
Blakemore Construction	1401 Portugee Road	No	5 yrs		2010	VAR051024
Mechanicsville Concrete Incorporated	100 Portugee Road	No	5 yrs		2010	VAG110160
Titan Virginia Ready Mix LLC	4441 Oakleys Ln	No	5 yrs		2010	VAG110162
Mobile Concrete Company	900 Bickerstaff	No	5 yrs		2010	VAG110164
Metromont	1650 Darbytown Rd	No	5 yrs		2010	VAG110295
Gillies Creek Industrial Recycling	6650 Hines Rd	No	5 yrs		2010	VAG840212
Obrist Closure Sys	4915 Norman Road	No	5 yrs		2012	VAR050668

Exhibit 9
Springfield Landfill Inspection Report, dated July 25, 2007

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF-0014	
Site Location	Springfield Landfill	
GPIN #	753-772-2123	
Inspector	John Fowler	
Participants	**Title**	**Phone**
Lyn Richardson	Environmental Manager	727-8774
Site Address	10620 Ford's Country Lane	
	Richmond, VA 23060	
Correspondence Address	10401 Woodman Road	
	Glen Allen, VA 23060	
Date	7/25/7	
Permit Number	VAR51025	
Rainfall in last 24 Hrs.	Yes – minimal	
SIC Code	4953	
Type of Business	Landfill	
Receiving Water(s)	Chickahominy River	
Daily Operational Hours	730-3, Public Use – 730-7	
# of Employees	20-30	

B. Industrial Processes

List the Industrial processes at the plant.

Solid Waste disposal landfill – Solvents, oils, antifreeze, batteries and standard recyclables	
Vehicle Maintenance on-site?	No
Are fluids disposed of properly (how)?	-
Are vehicles washed on site?	Washpad
If so, is wash water discharged into storm or sanitary sewer?	No

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Recycle area/public use	Front of landfill
Fuel Tanks	Public use area

Are chemicals stored in bermed areas?	n/a
If not bermed, what spill precautions are taken?	-
Any chemicals or trash near Storm Sewer Drains?	No
Are all potential contaminants stored under cover or in secondary containment?	Yes
Are waste bins covered with waste properly disposed in containers?	n/a
How is landscape waste stored?	Contract
How is landscape waste disposed of?	-
Is the site a MS4 Site?	Yes

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	2
Number of Storm Sewer Manholes as per inspection	2
Are storm drains labeled and free of debris?	Yes
Is there any flow present in any of the manholes?	No
If there is flow, does the sample test positive for fluoride?	-
List the # of outfalls to surface waters on-site	2 BMPs on site
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	Clear
Condition of the receiving stream (also note any upstream and downstream differences	good

Exhibit 10
Charles City Road Public Use Area Inspection Report, dated July 25, 2007

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF-0039	
Site Location	Charles City Road Public Use Area	
GPIN #	811-709-7458	
Inspector	John Fowler	
Participants	**Title**	**Phone**
Lyn Richardson	Environmental Manager	727-8774
Site Address	2075 Charles City Road	
	Richmond, VA 23231	
Correspondence Address	10401 Woodman Road	
	Glen Allen, VA 23060	
Date	7/25/7	
Permit Number	VAR540083 – PREVIOUS permit #, DNE now	
Rainfall in last 24 Hrs.	Yes – minimal	
SIC Code	4953	
Type of Business	Landfill	
Receiving Water(s)	Almond Creek – James River	
Daily Operational Hours	8-9	
# of Employees	15	

B. Industrial Processes

List the Industrial processes at the plant.

Solid Waste transfer station – Solvent, oils, antifreeze, batteries and standard recyclables	
Vehicle Maintenance on-site?	No
Are fluids disposed of properly (how)?	-
Are vehicles washed on site?	No
If so, is wash water discharged into storm or sanitary sewer?	-

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Roofed Chemical Storage	Front of office
Dumpsters	NE of office
Oil container – double walled	N of office

Are chemicals stored in bermed areas?	-
If not bermed, what spill precautions are taken?	-
Any chemicals or trash near Storm Sewer Drains?	No
Are all potential contaminants stored under cover or in secondary containment?	Yes
Are waste bins covered with waste properly disposed in containers?	Yes
How is landscape waste stored?	Contracted
How is landscape waste disposed of?	-
Is the site a MS4 Site?	No

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	2
Number of Storm Sewer Manholes as per inspection	2
Are storm drains labeled and free of debris?	-
Is there any flow present in any of the manholes?	No
If there is flow, does the sample test positive for fluoride?	-
List the # of outfalls to surface waters on-site	None-bmps
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	-
Condition of the receiving stream (also note any upstream and downstream differences	-

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	No, has SPCC
When was it last updated?	Dec 2004
Are all hazardous materials properly labeled and stored to prevent exposure to stormwater runoff?	n/a
What are the structural controls employed by the facility?	Roof, double walled tanks
What non-structural controls are employed by the facility?	Clean up kits
Are the controls reasonable and appropriate for the facility?	Yes
Other control items	
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	Near recycle area

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	Y	
Site map?	n/a	
Drainage patterns/outfalls?	n/a	
Material inventory?	n/a	
Information regarding Spills & Leaks?	Y	
Information addressing SARA Title II-313 Chemicals?	n/a	
Non-Storm Water Discharges?	n/a	
Best Management Practices (BMP)?	n/a	
Good Housekeeping Measures?	n/a	
Spill Prevention and Response?	Y	
Sediment erosion control and runoff?	-	
New and continued employee training?	Y	
Waste Management Practices?	Y	
Certification statement?	Y	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	Annual
Does training involve Storm Sewer spills?	No
Are employees familiar w/ SWPPP?	-

G. Records

List record keeping procedures	3 years
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	none

H. Recommendations

Clean up the wetlands to the NE of the office
Need to remove this site from the DCR inspection list as it is transfer only now.

Exhibit 11
Powhatan Ready-Mix Concrete Inspection Report, dated April 20, 2010

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF-0018	
Site Location	Powhatan Ready Mix	
GPIN #	777-740-4801	
Inspector	John Fowler	
Participants	**Title**	**Phone**
Elwood Randolph	Plant Manager	366-7655
Jeff Garner	Area Manager	744-1472
Site Address	4608 Racrete Rd	
	Richmond, VA 23238-6220	
Correspondence Address	3501 Warboro Ave	
	Midlothian VA 23112	
Date	April 20, 2010	
Permit Number	VAG110227	
Rainfall in last 24 Hrs.	No	
SIC Code	5231	
Type of Business	Paint Manufacturer	
Receiving Water(s)	Chickahominy/Horse Swamp Creek	
Daily Operational Hours	8-5 M-F	
# of Employees	30	

B. Industrial Processes

List the Industrial processes at the plant.

Sand and stone is trucked into 4 silos. Ad mix containters contain water reducers. Mixes	
Into drum when preset mix percentages are entered. Loads into the cement trucks and is	
Delivered.	
Vehicle Maintenance on-site?	Yes, but emergency fixes only – Batteries, hoses, etc.
Are fluids disposed of properly (how)?	No fluid repair
Are vehicles washed on site?	Yes, rack system
If so, is wash water discharged into storm or sanitary sewer?	Rack system contains all runoff from wash rack.

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Sand	Southern side
10k gal and 500 gal diesel tanks (steel dike on 10k gal and double walled on 500g)	Eastern side

Are chemicals stored in bermed areas?	Yes
If not bermed, what spill precautions are taken?	-
Any chemicals or trash near Storm Sewer Drains?	No
Are all potential contaminants stored under cover or in secondary containment?	Yes
Are waste bins covered with waste properly disposed in containers?	Yes
How is landscape waste stored?	Outside contractor
How is landscape waste disposed of?	mulched
Is the site a MS4 Site?	No

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	0
Number of Storm Sewer Manholes as per inspection	0
Are storm drains labeled and free of debris?	n/a
Is there any flow present in any of the manholes?	-
If there is flow, does the sample test positive for fluoride?	-
List the # of outfalls to surface waters on-site	1
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	none
Condition of the receiving stream (also note any upstream and downstream differences	Good. Clear water

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	Yes – 2008
When was it last updated?	11/15/08
Are all hazardous materials properly labeled and stored to prevent exposure to stormwater runoff?	n/a
What are the structural controls employed by the facility?	Berms, silos, storage, hay bails, rip rap
What non-structural controls are employed by the facility?	Spill kits, housekeeping SOP, sweeping
Are the controls reasonable and appropriate for the facility?	Yes
Other control items	Outfall area is cleaned on an as-needed basis. 11/09 was the last cleaning.
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	Near Office – need to be moved

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	**Y**	
Site map?	**Y**	
Drainage patterns/outfalls?	**Y**	
Material inventory?	**Y**	
Information regarding Spills & Leaks?	**Y**	
Information addressing SARA Title II-313 Chemicals?	**n/a**	
Non-Storm Water Discharges?	**Y**	
Best Management Practices (BMP)?	**Y**	
Good Housekeeping Measures?	**Y**	
Spill Prevention and Response?	**Y**	
Sediment erosion control and runoff?	**Y**	
New and continued employee training?	**Y**	
Waste Management Practices?	**Y**	
Certification statement?	**Y**	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	Video, SPCC, good housekeeping
Does training involve Storm Sewer spills?	Yes
Are employees familiar w/ SWPPP?	Yes

G. Records

List record keeping procedures	5+ years
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	None

H. Recommendations

Please move your spill kit to within reach of the diesel fuel tanks.
Please clean the concrete ditch behind the fuel tanks.

Exhibit 12
Alfa Laval Inspection Report, dated April 20, 2010

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF – 0002	
Site Location	Alfa Laval	
GPIN #	818-718-5133	
Inspector	John Fowler	
Participants	**Title**	**Phone**
George Karalus	EH&S Coordinator	804-236-1390
Site Address	5400 International Trade Drive	
	Richmond, VA 23231	
Correspondence Address	As above	
Date	4/20/10	
Permit Number	VAR051131	
Rainfall in last 24 Hrs.	No	
SIC Code	3494	
Type of Business	Heat Exchanger Manufacturer	
Receiving Water(s)	Gillie Creek	
Daily Operational Hours	16/5	
# of Employees	250+/-	

B. Industrial Processes

List the Industrial processes at the plant.

Bring in metal sheets/plates that are pre-pressed or unpressed. Press the unpressed by machine. Then they are cleaned, gasketed & assembled into a unit. Frame plates can be dulled, sandblasted & painted. Hydrostatic testing is performed on complete units.	
Vehicle Maintenance on-site?	Forklift repair only.
Are fluids disposed of properly?	3-4 collection points for fluids – under canopy. FCC Environmental picks up oil, antifreeze, pig mats, filters and oily water.

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Oils from metal cutting/shaping	Under SW canopy in 55 gallon drums on spill containment pallets.
Rolloff dumpsters for scrap metal	Under SW canopy. Dumpsters are tilted with a catch basin to drain any leftover oil off of trash metals.
Carbon steel raw mats	Back Dock

Are chemicals stored in bermed areas?	Yes
If not bermed, what spill precautions are taken?	
Any chemicals or trash near Storm Sewer Drains?	Dumpsters only
Is the site a MS4 Site?	Yes
If the Stormwater discharge enters a MS4 to surface waters, has the owner been notified of the system?	Yes

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	5
Number of Storm Sewer Manholes as per inspection	15, has been construction
Is there any flow present in any of the manholes?	No
If there is flow, does the sample test positive for fluorine?	N/A
List the # of outfalls to surface waters on-site	1
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	Clear
Condition of the receiving stream (also note any upstream and downstream differences	Good

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	Yes – 1/1/4 – 6/30/9
When was it last updated?	8/5/7 – in process
Did all operators & co-permitees sign the SWPPP?	Yes
Does it contain Storm Sewer spill contentions?	Yes
Does the facility have a Slug Control Plan?	Yes
What are the structural controls employed by the facility?	BMP, trench drains, oil troughs, O/W seperators
What non-structural controls are employed by the facility?	Pigs in trench drains, containment blocks. Extra floating boom in BMP around entrance.
Are the controls reasonable and appropriate for the facility?	Yes
Other control items	
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	< 50’

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	**Y**	Maint & Shipping
Site map?	**Y**	
Drainage patterns/outfalls?	**Y**	
Material inventory?	**N/A**	Outside storage consists only of metal plates
Information regarding Spills & Leaks?	**Y**	
Information addressing SARA Title II-313 Chemicals?	**N/A**	Not a SARA location
Non-Storm Water Discharges?	**Y**	
Best Management Practices (BMP)?	**Y**	
Good Housekeeping Measures?	**Y**	New method for cleaning up iron filings of nuts & bolts was developed
Spill Prevention and Response?	**Y**	
Sediment erosion control and runoff?	**Y**	
New and continued employee training?	**Y**	
Certification statement?	**Y**	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	Monthly testing/training, also implementing new SW training for maint/shipping dept. New SWPPP + SPCC training.
Does training involve Storm Sewer spills?	Yes
Are employees familiar w/ SWPPP?	Employees know of it, new training program will educate them further with regards to the SWPPP

G. Records

List record keeping procedures	Spill history form in SWPPP. FCC Enviro manifest records kept in separate file in George's office 3 yrs.
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	3/12/07 – hydraulic oil 2-3 gal. 7/24/06 – coolant/oily water 3 gallons

H. Recommendations

Site is in compliance with their stormwater permit. There are a few drums located in the
Metal storage area. If work is occurring, make sure to have the area corded off and note
That work is being done. Also, cleaning of the trash racks is needed.

Signatory Page for Stormwater Inspection

This is to certify that the information herein is accurate and true to the best of my knowledge. If there are any issues denoted in this inspection report which need to be addressed in order to come into compliance with either the Virginia Pollutant Discharge Elimination System permit for this location, or to satisfy the requirements of the County of Henrico, then every effort will be made to correct said issues with due diligence. Once those issues have been addressed, written notification will be given to the County of Henrico documenting the completion of the needed corrections.

Permit Representative: Date:

_____ _____

County of Henrico Representative: Date:

_____ _____

Exhibit 13
Ennis Paints Inspection Report, dated April 20, 2010

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF-0077	
Site Location	Ennis Paints	
GPIN #	799-739-2764	
Inspector	John Fowler	
Participants	**Title**	**Phone**
DeMarco Doxie	EHS Manager	404-414-6818
Email – demarco.doxie@	Ennispaint.net	
Site Address	4400 Vawter Ave	
	Richmond, VA 23222-1406	
Correspondence Address	1855 Plymouth Rd. NW	
	Atlanta, GA 30318	
Date	April 20, 2010	
Permit Number	VAR051550	
Rainfall in last 24 Hrs.	No	
SIC Code	5231	
Type of Business	Paint Manufacturer	
Receiving Water(s)	Chickahominy/Horse Swamp Creek	
Daily Operational Hours	8-5 M-F	
# of Employees	30	

B. Industrial Processes

List the Industrial processes at the plant.

Make water-based traffic paint & thermoplastic pigments. Mixing process is main process.	
Vehicle Maintenance on-site?	No
Are fluids disposed of properly (how)?	-
Are vehicles washed on site?	No
If so, is wash water discharged into storm or sanitary sewer?	-

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Totes of Paint	All over property
SWPPP Appendix B for material inventory	

Are chemicals stored in bermed areas?	Yes
If not bermed, what spill precautions are taken?	None
Any chemicals or trash near Storm Sewer Drains?	No
Are all potential contaminants stored under cover or in secondary containment?	Yes
Are waste bins covered with waste properly disposed in containers?	Not covered
How is landscape waste stored?	Outside contractor
How is landscape waste disposed of?	-
Is the site a MS4 Site?	Yes

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	0
Number of Storm Sewer Manholes as per inspection	3
Are storm drains labeled and free of debris?	n/a
Is there any flow present in any of the manholes?	-
If there is flow, does the sample test positive for fluoride?	-
List the # of outfalls to surface waters on-site	~2 (ditchs)
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	none
Condition of the receiving stream (also note any upstream and downstream differences	Good. Clear water

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	Yes – 2006
When was it last updated?	2006 (in process of updating)
Are all hazardous materials properly labeled and stored to prevent exposure to stormwater runoff?	Inside storage of haz mat.
What are the structural controls employed by the facility?	Berms around tank storage farm
What non-structural controls are employed by the facility?	Spill kits, socks, absorbent
Are the controls reasonable and appropriate for the facility?	yes
Other control items	-
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	Maintenance Shop

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	**Y**	
Site map?	**Y**	Changing due to new POD
Drainage patterns/outfalls?	**Y**	
Material inventory?	**Y**	
Information regarding Spills & Leaks?	**Y**	
Information addressing SARA Title II-313 Chemicals?	**Y**	Appendix C
Non-Storm Water Discharges?	**Y**	
Best Management Practices (BMP)?	**Y**	Many changes have been made to the BMP's. The facility reflects this.
Good Housekeeping Measures?	**Y**	Facility in much better condition this year. GH measures evident in practice
Spill Prevention and Response?	**Y**	
Sediment erosion control and runoff?	**Y**	Silt fence needs anchoring in one small area.
New and continued employee training?	**Y**	Training program fledgling.
Waste Management Practices?	**Y**	
Certification statement?	Y	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	DeMarco is formulating a spill response team and a new training program
Does training involve Storm Sewer spills?	It will, yes
Are employees familiar w/ SWPPP?	Maintenance & shipping personnel are

G. Records

List record keeping procedures	3 years -
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	Spills are kept on a clipboard on the bulletin board in the conference room.

H. Recommendations

Information in the SWPPP needs to be current and accurate – this is being updated. Once the update is complete, please send me a digital copy @ fow@co.henrico.va.us. This should be accomplished in the next 90 days.

Exhibit 14
Ennis Paints Inspection Report, dated March 3, 2010

County of Henrico
NPDES Stormwater Program

Checklist for Industrial User Inspections

A. General Information

Inspection Site ID	IF-0077	
Site Location	Ennis Paints	
GPIN #	799-739-2764	
Inspector	John Fowler	
Participants	**Title**	**Phone**
DeMarco Doxie	EHS Manager	770-570-8657
Email – demarco.doxie@	Ennispaint.net	
Site Address	4400 Vawter Ave	
	Richmond, VA 23222-1406	
Correspondence Address	1855 Plymouth Rd. NW	
	Atlanta, GA 30318	
Date	March 3, 2010	
Permit Number	VAR051550	
Rainfall in last 24 Hrs.	No	
SIC Code	5231?	
Type of Business	Paint Manufacturer	
Receiving Water(s)	Chickahominy/Horse Swamp Creek	
Daily Operational Hours	8-5 M-F	
# of Employees	30	

B. Industrial Processes

List the Industrial processes at the plant.

Make water-based traffic paint & thermoplastic pigments. Mixing process is main process.	
Vehicle Maintenance on-site?	No
Are fluids disposed of properly (how)?	-
Are vehicles washed on site?	No
If so, is wash water discharged into storm or sanitary sewer?	-

C. Chemical Storage/Possible Spill Locations

List the locations of significant materials, leaks and possible spills and identify the location:

Source	Location
Totes of Paint	All over property
SWPPP Appendix B for material inventory	

Are chemicals stored in bermed areas?	Yes
If not bermed, what spill precautions are taken?	None
Any chemicals or trash near Storm Sewer Drains?	No
Are all potential contaminants stored under cover or in secondary containment?	Yes
Are waste bins covered with waste properly disposed in containers?	Not covered
How is landscape waste stored?	Outside contractor
How is landscape waste disposed of?	-
Is the site a MS4 Site?	Yes

D. Locations of Storm Sewer Manholes/Effluent Data

Number of Storm Sewer Manholes as per Arc/GIS	0
Number of Storm Sewer Manholes as per inspection	3
Are storm drains labeled and free of debris?	n/a
Is there any flow present in any of the manholes?	-
If there is flow, does the sample test positive for fluoride?	-
List the # of outfalls to surface waters on-site	~2 (ditchs)
Condition of the effluent (clear, turbid, floating solids, foam, odor, etc)	none
Condition of the receiving stream (also note any upstream and downstream differences	Good. Clear water

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	Yes – 2006
When was it last updated?	2006 (in process of updating)
Are all hazardous materials properly labeled and stored to prevent exposure to stormwater runoff?	Inside storage of haz mat.
What are the structural controls employed by the facility?	Berms around tank storage farm
What non-structural controls are employed by the facility?	Spill kits, socks, absorbent
Are the controls reasonable and appropriate for the facility?	No
Other control items	-
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	Maintenance Shop

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	**Y**	
Site map?	**Y**	Changing due to new POD
Drainage patterns/outfalls?	**Y**	
Material inventory?	**Y**	
Information regarding Spills & Leaks?	**Y**	
Information addressing SARA Title II-313 Chemicals?	**Y**	Appendix C
Non-Storm Water Discharges?	**Y**	
Best Management Practices (BMP)?	**Y**	Many changes have been made to the BMP's. The facility reflects this.
Good Housekeeping Measures?	**Y**	Facility in much better condition this year. GH measures evident in practice
Spill Prevention and Response?	**Y**	
Sediment erosion control and runoff?	**Y**	Silt fence needs anchoring in one small area.
New and continued employee training?	**Y**	Training program fledgling.
Waste Management Practices?	**Y**	
Certification statement?	Y	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	DeMarco is formulating a spill response team and a new training program
Does training involve Storm Sewer spills?	It will, yes
Are employees familiar w/ SWPPP?	No

G. Records

List record keeping procedures	3 years -
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	Spills are kept on a clipboard on the bulletin board in the conference room.

H. Recommendations

E&S – Looks 100% better than last visit. POD was approved and cement pad is now back
from the SPA. New drainage outfalls and the BMP have improved the storm water collection on the site 10-fold.
Information in the SWPPP needs to be current and accurate – this is being updated. Please Inform me when this is complete.
Housekeeping has done a 180* at this site. Previously the site was littered with debris, but
only wind-blown debris was in any evidence this inspection.

Signatory Page for Stormwater Inspection

This is to certify that the information herein is accurate and true to the best of my knowledge. If there are any issues denoted in this inspection report which need to be addressed in order to come into compliance with either the Virginia Pollutant Discharge Elimination System permit for this location, or to satisfy the requirements of the County of Henrico, then every effort will be made to correct said issues with due diligence. Once those issues have been addressed, written notification will be given to the County of Henrico documenting the completion of the needed corrections.

Permit Representative: _____ Date: 3/3/2010

County of Henrico Representative: _____ Date: 3/3/10

Exhibit 15
The Virginia Erosion and Sediment Control Regulations, 4VAC50-30-20, Purpose.

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4VAC50-30-20. Purpose.

The purpose of this chapter is to form the basis for the administration, implementation and enforcement of the Act. The intent of this chapter is to establish the framework for compliance with the Act while at the same time providing flexibility for innovative solutions to erosion and sediment control concerns.

Statutory Authority

§§ 10.1-502 and 10.1-561 of the Code of Virginia.

Historical Notes

Derived from VR625-02-00 § 2, eff. September 13, 1990; amended, Virginia Register Volume 11, Issue 11, eff. March 22, 1995.

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Exhibit 16
County *Erosion and Sediment Control Inspection Report* for the Dominion West End Site Renovations construction site, dated December 29, 2009

County of Henrico
Department of Public Works
Engineering and Environmental Services Division (EESD)

04/19/10 SC

EROSION AND SEDIMENT CONTROL INSPECTION REPORT

Project: Dominion West End Site Renovations

Date: 12/29/2009 **Time:** 4:30 **POD#:** 53-87 **DPW#:**

Stage of Construction: ☐ Pre-Construction Conference ☐ Rough Grading ☐ Finish Grading ☒ Clearing and Grubbing ☐ Building Construction ☐ Final Stabilization

An erosion and sediment control inspection was conducted at the above referenced project, and the following deficiencies were found. These deficiencies must be corrected (within) see below (☐ **days** ☐ hours), upon receipt of this notice.

- ☐ Construction Entrance (3.02)
- ☐ Silt Fence (3.05)
- ☐ Storm Drain Inlet Protection (3.07)
- ☐ Culvert Inlet Protection (3.08)
- ☐ Diversion Dike (3.09)
- ☐ Sediment Trap (3.13)
- ☐ Sediment Basin (3.14)
- ☐ Wetland / RPA / SPA Tape and/or Fence
- ☐ Land Disturbance outside of approved limits
- ☐ Other: _____
- ☐ Stormwater Conveyance Channel (3.17)
- ☐ Outlet Protection (3.18)
- ☐ Riprap (3.19)
- ☐ Rock Check Dams (3.20)
- ☐ Level Spreader (3.21)
- ☐ Temporary Stream Crossing (3.24 / 3.25)
- ☐ Soil Stabilization Blankets and Matting (3.36)
- ☐ Environmental Protection Area Signs
- ☐ Responsible Land Disturber Reports
- ☐ Temporary Seeding (3.31)
- ☐ Permanent Seeding (3.32)
- ☐ Dust Control (3.39)
- ☐ Mud Tracking
- ☒ Sequence of Construction

Comments: A detailed sequence for the construction of the detention basin must be submitted and approved before any land disturbance in the area of the detention basin may occur.

☐ An erosion and sediment control inspection was conducted at the above referenced project and no deficiencies were found.

If you have any questions, or need additional information, please contact Olivia Hall at (804) 727-8322

A COPY OF THIS INSPECTION REPORT WAS:

- ☐ mailed to: _____
- ☒ emailed to: _____
- ☐ faxed to: _____
- ☐ left with: _____
- ☐ at the construction trailer

Exhibit 17
County *Erosion and Sediment Control Inspection Report* and *Notice to Comply* for the West Area Middle School No. 1 construction site, dated April 20, 2010

County of Henrico
Department of Public Works
Engineering and Environmental Services Division (EESD)

04/20/10

EROSION AND SEDIMENT CONTROL INSPECTION REPORT

Project: West Area Middle School No. 1

Date: 4/20/2010 **Time:** 3:00 **POD#:** _____ **DPW#:** _____

Stage of Construction: ☐ Pre-Construction Conference ☒ Rough Grading ☒ Finish Grading ☐ Clearing and Grubbing ☒ Building Construction ☐ Final Stabilization

An erosion and sediment control inspection was conducted at the above referenced project, and the following deficiencies were found. These deficiencies must be corrected (within) see below (☒**days** ☐hours), upon receipt of this notice.

- ☐ Construction Entrance (3.02)
- ☒ Silt Fence (3.05)
- ☒ Storm Drain Inlet Protection (3.07)
- ☐ Culvert Inlet Protection (3.08)
- ☐ Diversion Dike (3.09)
- ☐ Sediment Trap (3.13)
- ☐ Sediment Basin (3.14)
- ☒ Wetland / RPA / SPA Tape and/or Fence
- ☐ Land Disturbance outside of approved limits
- ☐ Stormwater Conveyance Channel (3.17)
- ☐ Outlet Protection (3.18)
- ☐ Riprap (3.19)
- ☐ Rock Check Dams (3.20)
- ☐ Level Spreader (3.21)
- ☐ Temporary Stream Crossing (3.24 / 3.25)
- ☒ Soil Stabilization Blankets and Matting (3.36)
- ☐ Environmental Protection Area Signs
- ☐ Responsible Land Disturber Reports
- ☒ Temporary Seeding (3.31)
- ☐ Permanent Seeding (3.32)
- ☐ Dust Control (3.39)
- ☐ Mud Tracking
- ☐ Sequence of Construction
- ☐ Other: _____

Comments: Work to correct the following E&S deficiencies must begin within 2 days and pursued to completion within 7 days (excluding weekends). As you enter the project the slope on the right of the construction entrance must be stabilized with vegetation. Silt fence must be installed at the toe of this slope and curve up the slope at the end closest to the street to prevent sediment from escaping around the silt fence. The wetland tape must be put back up where down. Drop inlet protection is incorrect. Please install drop inlet protection according to the spec shown on page 2.4. Drop inlet protection must be installed at inlet #'s T7 and 43. Rills are eroding in areas leading toward drop inlets. These areas must be stabilized with matting. Seeding is needed in areas surrounding trees that were recently installed. The silt fence that was removed surrounding the fill slope around the track must be re-installed. This fill slope is eroding. The eroded areas must be repaired and second seeding attempt made with blanket matting. In the area where the former diversion carrying runoff to sediment basin # 2, wire backed silt fence must be installed to handle the runoff from the fill slope. Silt fence must be installed around the stockpile. The area surrounding the outfall pipe for sediment basin # 1 is eroding. Please repair this and stabilize this area with vegetation. Regarding the sanitary sewer easement with wetland impacts...re-install the silt fence in this area and stabilize this area with vegetation. Install a row of silt fence at the beginning of this wetland impact to slow down runoff in this area. Blanket matting and stabilization is needed in the area from structure # R12-R16. This slope and area must be stabilized with vegetation. Curb inlet protection must be the correct size for the inlet it is used on. The slope above the tennis court needs stabilization with blanket matting and vegetation. Stabilize the area around the tennis court with vegetation. The silt fence surrounding the baseball field needs to be replaced in some areas.

☐ An erosion and sediment control inspection was conducted at the above referenced project and no deficiencies were found.

If you have any questions, or need additional information, please contact Olivia Hall at (804) 727-8322

A COPY OF THIS INSPECTION REPORT WAS:

- ☐ mailed to: _____
- ☐ emailed to: _____
- ☒ faxed to: Chris Evans
- ☐ left with: _____
- ☐ at the construction trailer

Henrico County
Department of Public Works
ENGINEERING AND ENVIRONMENTAL SERVICES DIVISION (EESD)

NOTICE TO COMPLY

TO: Chris Evans DATE: 4/20/2010 TIME: 2:46

FIRM: Southwood Builders, Inc. PROJECT West Area Middle School No. 1

LOCATION: 5601 Shady Grove Road

An inspection was made on 4/20/2010. It was found that the erosion and sediment controls with respect to the following item or items were not in compliance with the approved plan. It is required that the item or items be corrected (within) immediately excluding Saturdays, Sundays and holidays, upon receipt of this notice. Failure to comply will result in a Stop Work Order requiring all land disturbing activity to cease within the project limits and/or additional enforcement action(s) necessary to have the deficiencies corrected.

If you have any questions or need additional information, call Olivia Hall at (804) 727-8322.

- ☐ Construction Entrance (3.02)
- ☐ Silt Fence (3.05)
- ☐ Storm Drain Inlet Protection (3.07)
- ☐ Culvert Inlet Protection (3.08)
- ☐ Diversion Dike (3.09)
- ☒ Sediment Trap (3.13)
- ☐ Sediment Basin (3.14)
- ☐ Wetland / RPA / SPA Tape and/or Fence
- ☐ Land Disturbance outside of approved limits
- ☐ Other _____
- ☐ Stormwater Conveyance Channel (3.17)
- ☐ Outlet Protection (3.18)
- ☐ Riprap (3.19)
- ☐ Rock Check Dams (3.20)
- ☐ Level Spreader (3.21)
- ☐ Temporary Stream Crossing (3.24 / 3.25)
- ☐ Soil Stabilization Blankets and Matting (3.36)
- ☐ Environmental Protection Area Signs
- ☐ Responsible Land Disturber Reports
- ☐ Temporary Seeding (3.31)
- ☐ Permanent Seeding (3.32)
- ☐ Dust Control (3.39)
- ☐ Mud Tracking
- ☒ Sequence of Construction

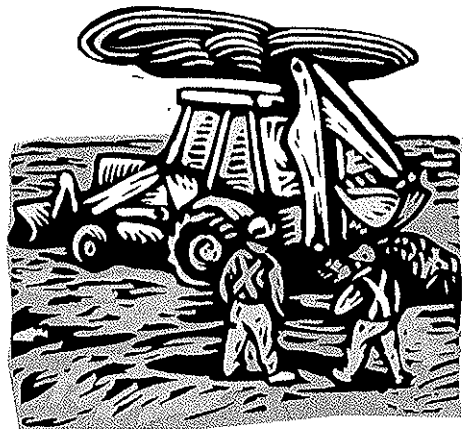
Comments: The project is currently out of sequence. Please have an engineer email a drawing, showing a sediment trap that is sized for the drainage area in the former location of sediment basin #2 and the surrounding fill slope draining to this area. The drawing should include the typical design chart for sediment traps which shows size, elevations, outlet length.,etc. Diversions must also be shown to carry the runoff to the trap. Installation of the trap and diversions must begin immediately and pursued until completion. The sediment trap outlet must be long enough to carry runoff treated by the sediment trap to the curb inlet located behind this area. Fabric may be used at the end of the rock outlet as a non-erodible conveyance to the curb inlet. The fabric must be firmly stapled. The drawing for the sediment trap may be emailed to Mike Hackett at hac02@co.henrico.va.us.

_____
SIGNATURE OF PERSON RECEIVING NOTICE

Olivia Hall
ENVIRONMENTAL INSPECTOR

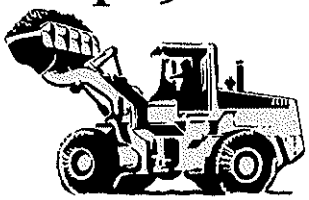
Exhibit 18
Advertisement and syllabus for the Henrico County *Site Contractor Workshop*, conducted on November 7, 2002

Site Contractor Workshop
Thursday November 7, 2002



Henrico County Public Works
West End Depot – Training Room
10431 Woodman Road
Glen Allen, Virginia

Coffee and Registration at 8:30 am
Workshop: 9 am – 1 pm



Workshop is FREE
Lunch Included!

REGISTER BY NOVEMBER 1, 2002
Contact Christine Breddy, Public Works, 501-4168
for more information or to register.

Who Should Attend: Land Disturbing Contractors, Utility Contractors, Foremen, Site Supervisors, Construction Managers, Project Managers, Responsible Land Disturbers (RLDs)

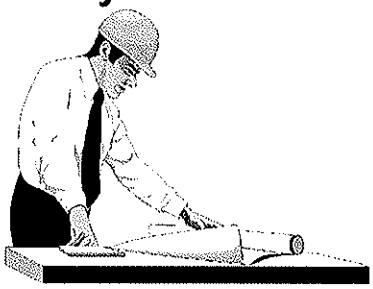
TOPICS TO BE COVERED

New Responsible Land Disturber Program Requirements
Reducing and Preventing Notices to Comply
Installation and Maintenance of E&S Measures
Sediment Basin Failure and Prevention
Role of BMPs in Protection of Water Quality
BMP Inspection and Acceptance Criteria
Wetland Regulations Affecting Site Contractors
Litter and NPS Pollution Control on Construction Sites
West Nile and Construction Sites
Contractor Open Discussion with Inspectors

This workshop is funded, in part, by the Virginia Department of Conservation and Recreation Mini-Grant Program and Henrico County

Special Thanks to the Richmond Area Municipal Contractors Association

Henrico County Contractor Workshop



November 7, 2002
9 a.m. –1 p.m.
Public Works West End Depot
10431 Woodman Road
Glen Allen, Virginia

8:30 a.m. – 9:00 a.m.
Registration & Coffee

9:00 a.m.

Introduction Goals, why we are here Introduction of staff	Jeff Perry, Environmental Management Engineer
Responsible Land Disturber Program	John Newton, Environmental Inspector
E&S Sequence: **Reducing and Preventing Notices to Comply**	Mike Hackett, Sr. Environmental Inspector
Proper Installation and Maintenance of Frequently Used ESC Measures	John Newton, Environmental Inspector
BREAK (Refreshments)	
Sediment Basins & Reasons for Failure	Terry Ruhlen, Environmental Inspector
BMP Construction BMP Types, Role of BMPs in Water Quality BMP Inspection and Acceptance Criteria	Scott Jackson, Environmental Engineer
Wetland Rules Affecting Site Contractors	Robin Wilder, Water Quality Research Analyst
Litter and Non Point Source (NPS) Pollution Control on Construction Sites	Robin Wilder, Water Quality Research Analyst
West Nile and Construction Sites	Keith White, Environmental Engineer
Wrap Up	Jeff Perry, Environmental Management Engineer

LUNCH SERVED

This workshop has been funded, in part, by the Virginia Department of Conservation and Recreation Mini-Grant Program and Henrico County.

Special Thank You to the Richmond Area Municipal Contractors Association.

Henrico Water Plant	10111 Three Chopt	No	5 yrs		2014	VAR0091197
Pepsi Cola	3008 Mechanicsville Tnpk	No	5 yrs		2014	VAR051202
Vulcan Materials (Tidewater Quarries)	11460 Staples Mill Rd	No	5 yrs		2015	VA0058041
In addition to the sites listed here, 200 Food Service Establishments were inspected in 2009. The amount of establishments inspected each year varies as locations come on and off of the list periodically. Each year's Annual Report will contain the sites that are inspected.						
* Inspections required in accordance with § A.1.c of Henrico County's VPDES Permit (Permit No. VA0088617)						

E. Spill Prevention

Does the IU have an SWPPP on site (list date)?	Yes – April 2002
When was it last updated?	July 2005
Are all hazardous materials properly labeled and stored to prevent exposure to stormwater runoff?	n/a
What are the structural controls employed by the facility?	Sediment basins/traps, SWM basins (BMPs) silt fence
What non-structural controls are employed by the facility?	Seeding, mulching, grassed waterways, vegetation
Are the controls reasonable and appropriate for the facility?	Yes
Other control items	
Where are the control items (socks, sawdust, etc.) relative to the Storm Sewer Drains?	@ the fuel tank

Stormwater Pollution Prevention Plan (SWPPP)	**Y/N**	**NOTES**
Pollution prevention team identified and up-to-date?	Y	
Site map?	N	Need one
Drainage patterns/outfalls?	N	Need on Site Map
Material inventory?	Y	
Information regarding Spills & Leaks?	Y	
Information addressing SARA Title II-313 Chemicals?	n/a	
Non-Storm Water Discharges?	Y	
Best Management Practices (BMP)?	Y	
Good Housekeeping Measures?	Y	
Spill Prevention and Response?	Y	
Sediment erosion control and runoff?	Y	
New and continued employee training?	Y	
Waste Management Practices?	Y	
Certification statement?	Y	

F. Education/Training

What type of training is offered to employees with regards to spill containment/management?	Monthly and annual
Does training involve Storm Sewer spills?	Yes
Are employees familiar w/ SWPPP?	Yes

G. Records

List record keeping procedures	3 years
List spills for the past 3 years w/ locations, amounts and steps taken to contain/eliminate/prevent MS4 infiltration	None

H. Recommendations

Site map needs to show drainage and outfalls, not present in SWPPP.